

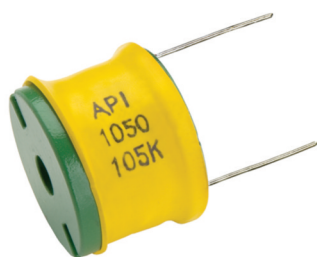
SERIES

**DC1050R
DC1050**

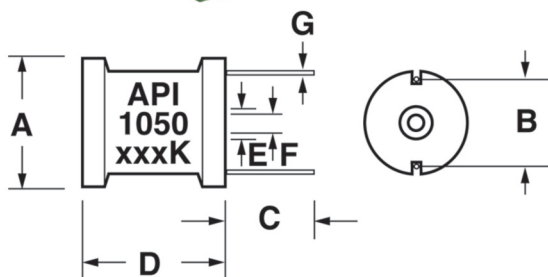


High Current Power Line Chokes

DASH NUMBER*
INDUCTANCE (μH)
±10% @ 1.00 kHz
MAXIMUM (OHMS) @ 25°C
DC RESISTANCE
CURRENT RATING
MAXIMUM (A DC)
INCREMENTAL
CURRENT (A DC)
LEAD DIAMETER
(Inches, Reference)



Actual Size (Max.)



SERIES DC1050 and DC1050R					
-104K	100	0.034	7.5	9.0	0.046
-124K	120	0.046	6.5	8.0	0.040
-154K	150	0.064	5.5	7.0	0.040
-184K	180	0.072	5.1	6.5	0.040
-224K	220	0.080	4.8	6.0	0.040
-274K	270	0.110	4.2	5.0	0.036
-334K	330	0.122	4.0	4.5	0.036
-394K	390	0.169	3.4	4.0	0.032
-474K	470	0.187	3.2	3.8	0.032
-564K	560	0.205	3.0	3.5	0.032
-684K	680	0.256	2.7	3.0	0.029
-824K	820	0.288	2.5	2.8	0.029
-105K	1000	0.426	2.1	2.5	0.029
-125K	1200	0.462	2.0	2.2	0.026
-155K	1500	0.518	1.9	2.0	0.026
-185K	1800	0.705	1.6	1.8	0.026
-225K	2200	1.020	1.4	1.5	0.023
-275K	2700	1.140	1.3	1.4	0.023
-335K	3300	1.270	1.2	1.3	0.023
-395K	3900	1.670	1.1	1.2	0.020
-475K	4700	1.860	1.0	1.0	0.020

Physical Parameters

	Inches	Millimeters
A	1.080 to 1.180	27.44 to 29.98
B	0.770 Reference (all except -104K) 0.810 Reference (-104K only)	19.56 Reference 20.75 Reference
C	0.750 Minimum	19.05 Minimum
D	0.840 Maximum	21.34 Maximum
E	0.240 Reference	6.10 Reference
F	0.200 Reference	5.08 Reference
G	See Table	

*Complete part # must include series # PLUS the dash #

Operating Temperature Range -55°C to +125°C;
(-55°C to +80°C @ full current)

Current Rating at 80° Ambient 45°C Temperature Rise

Maximum Power Dissipation at +80°C 2.20 Watts
Maximum

Inductance Measured @ 1 kHz with 0 ADC
on Wayne Kerr 3245A, or equivalent

Leads Solder coated within 1/16" of Body

Incremental Current The amount of DC that decreases
the inductance by 5% maximum, relative to the 0 ADC

Dielectric Withstanding Voltage 1000 Vrms Minimum

Mechanical Configuration Center hole allows for
mounting

Marking API, 1050 or 1050R, dash number (per table)
and inductance tolerance letter

API
1050
xxxK

Packaging Bulk only



Mouser Electronics

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[DC1050R-335K](#) [DC1050R-394K](#) [DC1050-124K](#) [DC1050-274K](#) [DC1050-125K](#) [DC1050R-395K](#) [DC1050R-184K](#)
[DC1050R-105K](#) [DC1050-684K](#) [DC1050R-275K](#) [DC1050-824K](#) [DC1050R-155K](#) [DC1050-105K](#) [DC1050R-474K](#)
[DC1050R-125K](#) [DC1050R-225K](#) [DC1050-564K](#) [DC1050-155K](#) [DC1050R-475K](#) [DC1050-395K](#) [DC1050R-185K](#)
[DC1050R-824K](#) [DC1050-335K](#) [DC1050-104K](#) [DC1050-475K](#) [DC1050-474K](#) [DC1050-184K](#) [DC1050-334K](#) [DC1050-225K](#) [DC1050R-154K](#) [DC1050R-224K](#) [DC1050R-564K](#) [DC1050-185K](#) [DC1050-275K](#) [DC1050-154K](#) [DC1050-394K](#)
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